



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent: 6,970,982

Date of Issue: November 29, 2005

Inventor(s): Altman et al.

Title of Invention: METHOD AND SYSTEM FOR MAINTAINING COHERENCY IN A MULTIPROCESSOR SYSTEM BY BROADCASTING TLB INVALIDATED ENTRY INSTRUCTIONS

Attn: Supervisory Patent Examiner, Unit 2189

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

PETITION TO CORRECT INVENTORSHIP OF A PATENT
(37 C.F.R. § 1.324)

1. This is a petition for correction of the erroneous nonjoinder of an inventor on the above-referenced issued patent. The error in failing to name Martin E. Hopkins as an inventor on the patent occurred without any deceptive intention on his part. Petitioner respectfully requests that the Commissioner issue a certificate correcting the error. Petitioner has attached duplicate copies of a proposed Certificate of Correction form PTO-1050.

CERTIFICATION UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence (along with any item referred to as being enclosed herewith) is being deposited with the United States Postal Service with sufficient postage in an envelope addressed to Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on 7-13, 2006.

Toni Stanley
Signature

Toni Stanley

(Printed name of person certifying)

2. Enclosed herewith is (37 C.F.R. § 1.324(b)):

- (A) a statement, from the person who is being added as an inventor, that the inventorship error occurred without any deceptive intention on his part; and
- (B) a statement, from the current named inventors who have not submitted a statement under 2(A) above, stating that they have no disagreement in regard to the requested change.

3. Also enclosed is a statement, from the assignee of the parties submitting a statement under 2(A) and 2(B) above, agreeing to the change of inventors on the patent, and a statement under 37 C.F.R. § 3.73(b) establishing the right of the assignee to take action in this matter.

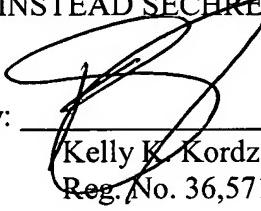
4. A check for the required fee of \$50.00 (37 C.F.R. § 1.20(b)) is enclosed.

If the Commissioner determines that a fee is still necessary, the Commissioner is hereby authorized to charge any additional fee or credit any overpayment to Deposit Account No. 23-2426 (7047-P406D1) in the name of Winstead Sechrest & Minick P.C. **A duplicate copy of this Petition for Correction of Inventorship of Patent is enclosed.**

Respectfully submitted,

WINSTEAD SECHREST & MINICK P.C.

By: _____


Kelly K. Kordzik
Reg. No. 36,571

P.O. Box 50784
Dallas, Texas 75201-0784
Tel: (512) 370-2851
Fax: (214) 745-5390

The PTO did not receive the following listed item(s). A check for
\$50.00

848261v.1 7047/P406D1

JUL 17 2006

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

28

Attorney Docket Number

AUS920000796US2

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input checked="" type="checkbox"/> Petition to Correct Inventorship of Patent <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below): Consent of Assignee to Change Inventorship; Statement of Non-Deceptive Intent; 8 Statements in Support of Petition Correct Inventor; Return Postcard
Remarks		
Also attached: Certificate of Correction (in duplicate); Copy of Assignment; Statement Under 37 CFR 3.73(b); Letter of Authority		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Winstead Sehestre & Minick P.C.		
Signature			
Printed name	Kelly K. Kordzik		
Date	7/13/06	Reg. No.	36,571

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Toni Stanley	Date	7-13-06

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO. : 6,970,982

DATED : November 29, 2005

INVENTOR(S) : Altman et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the front page of the patent, after the last name under "(75) Inventors:", please add
— Martin E. Hopkins, Bronxville, NY (US) —

MAILING ADDRESS OF SENDER:

PATENT NO. 6,970,982

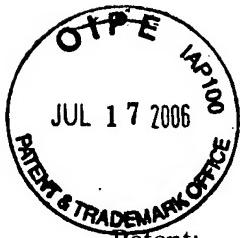
Kelly K. Kordzik
Winstead Sechrest & Minick P.C.
P.O. Box 50784
Dallas, TX 75201

No. of additional copies



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Patent: 6,970,982

Date of Issue: November 29, 2005

Inventor(s): Altman et al.

Title: METHOD AND SYSTEM FOR MAINTAINING COHERENCY IN A
MULTIPROCESSOR SYSTEM BY BROADCASTING TLB
INVALIDATED ENTRY INSTRUCTIONS

Attn: Supervisory Patent Examiner, Unit 2189
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Alexandria, VA 22313-1450

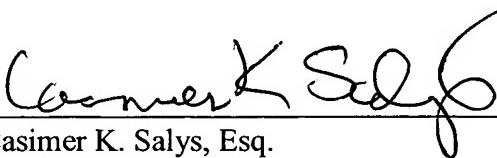
CONSENT OF ASSIGNEE TO CHANGE INVENTORSHIP OF A PATENT
(37 C. F. R. § 1.324(b)(1))

International Business Machines Corporation, New Orchard Road, Armonk NY 10504,
owner by assignment of the above-referenced issued patent, hereby agrees to the change of
inventorship in the patent as requested in the accompanying papers.

Attached is a "Statement Under 37 C. F. R. § 3.73(b)" establishing the right of the
assignee to take action in this matter.

Date

6/12/06


Casimer K. Salys, Esq.
In-House Counsel
International Business Machines



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Patent: 6,970,982

Date of Issue: November 29, 2005

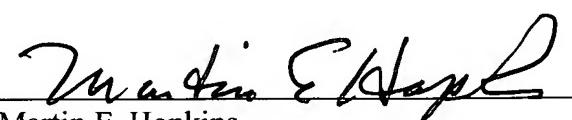
Inventor(s): Altman et al.

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Attn: Supervisory Patent Examiner, Unit 2189
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**STATEMENT OF NON-DECEPTIVE INTENT BY MARTIN E. HOPKINS BEING
ADDED BY PETITION TO CHANGE INVENTORSHIP OF A PATENT
(37 C. F. R. § 1.324(b)(1))**

I, Martin E. Hopkins, who is being added as an inventor by the petition being submitted to correct the inventorship of this patent, do hereby declare that the inventorship error, in failing to include my name as an inventor on this patent, occurred without any deceptive intention on my part.

Date5/27/2006
Martin E. Hopkins



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Patent: 6,970,982

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Attn: Supervisory Patent Examiner, Unit 2189
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P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT OF PETER G. CAPEK IN SUPPORT OF PETITION TO CORRECT
INVENTORSHIP OF A PATENT (37 C. F. R. § 1.324)**

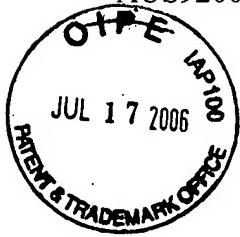
I, Peter G. Capek, a current inventor on the above-referenced issued patent, understand that the assignee of the patent, International Business Machines Corporation, is filing a petition with the United States Patent and Trademark Office to correct inventorship of the patent to add Martin E. Hopkins as an inventor on the patent. I have no disagreement in regard to the requested change.

5/29/06

Date

A handwritten signature in black ink that appears to read "Peter G. Capek".

Peter G. Capek



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Patent: 6,970,982

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Inventor(s): Altman et al.

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Attn: Supervisory Patent Examiner, Unit 2189
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT OF HARM PETER HOFSTEE IN SUPPORT OF PETITION TO
CORRECT INVENTORSHIP OF A PATENT (37 C. F. R. § 1.324)**

I, Harm Peter Hofstee, a current inventor on the above-referenced issued patent, understand that the assignee of the patent, International Business Machines Corporation, is filing a petition with the United States Patent and Trademark Office to correct inventorship of the patent to add Martin E. Hopkins as an inventor on the patent. I have no disagreement in regard to the requested change.

May 30, 2006
Date


Harm Peter Hofstee



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Patent: 6,970,982

Date of Issue: November 29, 2005

Inventor(s): Altman et al.

Title: METHOD AND SYSTEM FOR MAINTAINING COHERENCY IN A
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Attn: Supervisory Patent Examiner, Unit 2189
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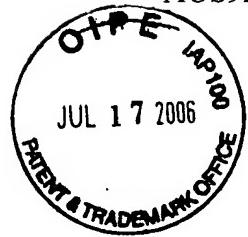
**STATEMENT OF MICHAEL KARL GSCHWIND IN SUPPORT OF PETITION TO
CORRECT INVENTORSHIP OF A PATENT (37 C. F. R. § 1.324)**

I, Michael Karl Gschwind, a current inventor on the above-referenced issued patent, understand that the assignee of the patent, International Business Machines Corporation, is filing a petition with the United States Patent and Trademark Office to correct inventorship of the patent to add Martin E. Hopkins as an inventor on the patent. I have no disagreement in regard to the requested change.

Date

5/22/06


Michael Karl Gschwind



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Patent: 6,970,982

Date of Issue: November 29, 2005

Inventor(s): Altman et al.

Title: METHOD AND SYSTEM FOR MAINTAINING COHERENCY IN A
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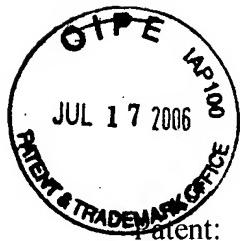
Attn: Supervisory Patent Examiner, Unit 2189
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT OF JOHN-DAVID WELLMAN IN SUPPORT OF PETITION TO
CORRECT INVENTORSHIP OF A PATENT (37 C. F. R. § 1.324)**

I, John-David Wellman, a current inventor on the above-referenced issued patent, understand that the assignee of the patent, International Business Machines Corporation, is filing a petition with the United States Patent and Trademark Office to correct inventorship of the patent to add Martin E. Hopkins as an inventor on the patent. I have no disagreement in regard to the requested change.

May 16, 2006
Date


John-David Wellman



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Patent: 6,970,982

Date of Issue: November 29, 2005

Inventor(s): Altman et al.

Title: METHOD AND SYSTEM FOR MAINTAINING COHERENCY IN A
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INVALIDATED ENTRY INSTRUCTIONS

Attn: Supervisory Patent Examiner, Unit 2189
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT OF RAVI NAIR IN SUPPORT OF PETITION TO CORRECT
INVENTORSHIP OF A PATENT (37 C. F. R. § 1.324)**

I, Ravi Nair, a current inventor on the above-referenced issued patent, understand that the assignee of the patent, International Business Machines Corporation, is filing a petition with the United States Patent and Trademark Office to correct inventorship of the patent to add Martin E. Hopkins as an inventor on the patent. I have no disagreement in regard to the requested change.

Date*May 22, 2006*

Ravi Nair
Ravi Nair



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Patent: 6,970,982

Date of Issue: November 29, 2005

Inventor(s): Altman et al.

Title: METHOD AND SYSTEM FOR MAINTAINING COHERENCY IN A
MULTIPROCESSOR SYSTEM BY BROADCASTING TLB
INVALIDATED ENTRY INSTRUCTIONS

Attn: Supervisory Patent Examiner, Unit 2189
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT OF JAMES ALLAN KAHLE IN SUPPORT OF PETITION TO
CORRECT INVENTORSHIP OF A PATENT (37 C. F. R. § 1.324)**

I, James Allan Kahle, a current inventor on the above-referenced issued patent, understand that the assignee of the patent, International Business Machines Corporation, is filing a petition with the United States Patent and Trademark Office to correct inventorship of the patent to add Martin E. Hopkins as an inventor on the patent. I have no disagreement in regard to the requested change.

Date

May 22, 2006

James Allan Kahle



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Patent: 6,970,982

Date of Issue: November 29, 2005

Inventor(s): Altman et al.

Title: METHOD AND SYSTEM FOR MAINTAINING COHERENCY IN A
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Attn: Supervisory Patent Examiner, Unit 2189
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P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT OF SUMEDH WASUDEO SATHAYE IN SUPPORT OF PETITION TO
CORRECT INVENTORSHIP OF A PATENT (37 C. F. R. § 1.324)**

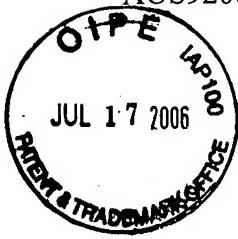
I, Sumedh Wasudeo Sathaye, a current inventor on the above-referenced issued patent, understand that the assignee of the patent, International Business Machines Corporation, is filing a petition with the United States Patent and Trademark Office to correct inventorship of the patent to add Martin E. Hopkins as an inventor on the patent. I have no disagreement in regard to the requested change.

May 16, 2006

Date



Sumedh Wasudeo Sathaye



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Patent: 6,970,982

Date of Issue: November 29, 2005

Inventor(s): Altman et al.

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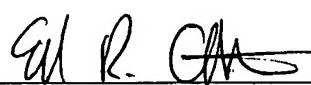
Attn: Supervisory Patent Examiner, Unit 2189
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT OF ERIK R. ALTMAN IN SUPPORT OF PETITION TO CORRECT
INVENTORSHIP OF A PATENT (37 C. F. R. § 1.324)**

I, Erik R. Altman, a current inventor on the above-referenced issued patent, understand that the assignee of the patent, International Business Machines Corporation, is filing a petition with the United States Patent and Trademark Office to correct inventorship of the patent to add Martin E. Hopkins as an inventor on the patent. I have no disagreement in regard to the requested change.

May 16, 2006

Date



Erik R. Altman

JUL 17 2006

PTO/SB/96 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Erik R. Altman

Application No./Patent No.: 6,970,982 Filed/Issue Date: November 29, 2005

Entitled: METHOD AND SYSTEM FOR MAINTAINING COHERENCY IN A MULTIPROCESSOR SYSTEM BY BROADCASTING TLB INVALIDATED ENTRY INSTRUCTIONS

International Business Machines Corporation, a CORPORATION
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 011688, Frame 0799, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Lynne D. Anderson

Signature

6-27-06

Date

Lynne D. Anderson

(703) 299-1455

Printed or Typed Name

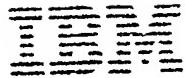
Telephone Number

Program Manager, US PTO Liaison

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



North Castle Drive
Armonk, NY 10501

LETTER OF AUTHORITY

I, Patrick Toole, Vice President, Intellectual Property and Standards of International Business Machines Corporation (IBM), a New York corporation, do hereby delegate the authority to approve and execute documents on behalf of IBM relating to proceedings in the Patent, Trademark Registration or Copyright offices servicing any country or region of the world, or to related appeal proceedings, including, but not limited to: petitions; powers of Attorney, authorizations; verification; nominations of representatives; declarations; documents relating to maintenance and defense of the resulting industrial property rights; assignments of rights to apply for and acquire patents and trademark registrations; and evidence of such assignments; requests for the registration of patents as available for licensing, reports of inventions and petitions for waiver of patent rights to any department or agency of the United States Government; and, assignments, licenses and other instruments confirmatory of Government rights in patents and inventions, to Lynne D. Anderson, program manager, U.S. Patent and Trademark Office liaison.

Date: March 30, 2006

Patrick Toole
Vice President, Intellectual Property & Standards
International Business Machines Corporation



50-796
WIN

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JUNE 26, 2001

PTAS



101681921A

IBM CORPORATION
CASIMER K. SALYS
INTELLECTUAL PROPERTY LAW
11400 BURNET ROAD, INTERNAL ZIP 4054
AUSTIN, TX 78758

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER
REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/14/2000

REEL/FRAME: 011688/0799
NUMBER OF PAGES: 10

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR: ALTMAN, ERIK R. DOC DATE: 12/18/2000

ASSIGNOR: CAPEK, PETER G. DOC DATE: 12/11/2000

ASSIGNOR: GSCHWIND, MICHAEL DOC DATE: 12/11/2000

ASSIGNOR: HOESTEE HARM PETER DOC DATE: 12/08/2000

ASSIGNOR: KAHLE, JAMES A. DOC. DATE: 12/12/2000

ASSIGNOR: NMR BREV
DOC. DATE: 12/11/2000

ASSIGNOR: SANTINI, SIMONE H. REC'D. DATE: 12/11/2000

ASSIGNOR: SATHAYE, SUMEDH W.  DOC DATE: 12/11/2000

RECEIVED AUS. IPLAN
2001 JUL - 3 AM 9:59

(PDP) 12-14-00

04-20-2001

EF409652535US

In place of Form PTO-1595



st No. AUS920090796US1

DET

12/14/2000

09/736,585

(M2D) 01

101681921

To the Assistant Commissioner of Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Erik R. Altman
Peter G. Capek
Michael Gschwind
Harm Peter Hofstee

James A. Kahle
Ravi Nair
Sumedh W. Sathaye
John-David Wellman

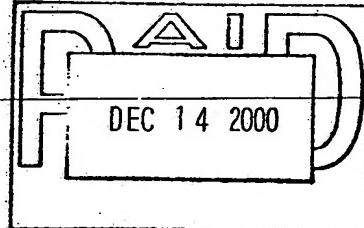
2. Name and address of receiving party(ies):

International Business Machines Corporation
New Orchard Road
Armonk, New York 10504

3. Nature of conveyance:

Assignment

Execution Date: 12/8/00, 12/12/00, 12/11/00



4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is 12/8/00, 12/12/00, 12/11/00

A. Patent Application No. (s)

B. Patent No. (s)

5. Name and address of party to whom correspondence concerning document should be mailed:

Casimer K. Salys
IBM Corporation
Intellectual Property Law
Internal Zip 4054
11400 Burnet Road
Austin, TX 78758
(512) 823-0092

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

Authorized to be charged to deposit account

8. Deposit account number:

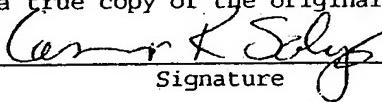
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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Casimer K. Salys
Name of Person Signing


Signature

12/13/00
Date

Total number of pages including cover sheet: 10

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A S S I G N M E N T

Whereas, we,

- (1) Erik R. Altman,
County of _____
of _____
and state of _____
- (2) Peter G. Capek,
County of _____
of _____
and state of _____
- (3) Michael Gschwind,
County of _____
of _____
and state of _____
- (4) Harm P. Hofstee,
County of Travis
of Austin,
and state of Texas,
- (5) James A. Kahle,
County of Travis
of Austin,
and state of Texas,
- (6) Ravi Nair,
County of Westchester
of Briarcliff Manor,
and state of New York,
- (7) Sumedh W. Sathaye,
County of _____
of Mohegan Lake,
and state of New York,
- (8) John-David Wellman,
County of Westchester
of Peekskill,
and state of New York,

have invented certain improvements in

SYMMETRIC MULTI-PROCESSING SYSTEM

and executed a United States patent application therefor on (*date Inventor signed Declaration*)

- (1) _____, (2) _____,
(3) _____, (4) Dec 8 2000,
(5) Dec 17, 2000, (6) _____,
(7) _____, (8) _____.

AUS920000796US1

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now, therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) Signed at _____ on _____, 2000.

Erik R. Altman

(2) Signed at _____ on _____, 2000.

Peter G. Capek

(3) Signed at _____ on _____, 2000.

Michael Gschwind

AUS920000796US1

(4) Signed at Austin on Dec 8, 2000.


Harm P. Hofstee

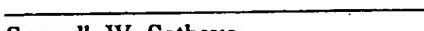
(5) Signed at Austin on Dec 12, 2000.


James A. Kahle

(6) Signed at _____ on _____, 2000.


Ravi Nair

(7) Signed at _____ on _____, 2000.


Sumedh W. Sathaye

(8) Signed at _____ on _____, 2000.


John-David Wellman

DEC 11 2000 09:02 FR 1BM JSTIN IPLAW

512 823 1036 TO 7E 358

P.02/17

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ASSIGNMENT

Whereas, we,

- (1) Erik R. Altman,
County of _____
of _____
and state of _____
- (2) Peter G. Capek,
County of ~~Westchester~~
of Ossining
and state of New York
- (3) Michael Gschwind,
County of Westchester
of Peekskill
and state of New York,
- (4) Harrn P. Hofstee,
County of Travis
of Austin,
and state of Texas,
- (5) James A. Kahle,
County of Travis
of Austin,
and state of Texas,
- (6) Ravi Nair,
County of Westchester
of Briarcliff Manor,
and state of New York,
- (7) Sumedh W. Sathaye,
County of Dutchess
of Mohagen Lake, Fishkill
and state of New York, 12524
- (8) John-David Wellman,
County of Westchester
of Peekskill,
and state of New York.

have invented certain improvements in

SYMMETRIC MULTI-PROCESSING SYSTEM

and executed a United States patent application therefor on (date Inventor signed Declaration)

- (1) _____, (2) Dec 11, 2000
- (3) 12/11/2000, (4) _____
- (5) _____, (6) Dec. 11, 2000
- (7) 12/11/2000, (8) Dec 11, 2000

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(1) Signed at _____ on _____, 2000.

Erik R. Altman

(2) Signed at Yonktown, NY on Dec 11 ^{PER}, 2000.

Peter G. Capek

(3) Signed at Yonktown, NY on 12/11 2000.

Michael Gschwind

DEC 11 2000 08:03 FR 15 AUSTIN IPLAW

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(4) Signed at Austin on , 2000.

Harm P. Hofstee

(5) Signed at Austin on , 2000.

James A. Kahle

(6) Signed at Yorktown, NY on 12 / 11, 2000.

Ravi Nair
Ravi Nair

(7) Signed at Yorktown, NY on 12 / 11, 2000.

Sumedh W. Sathaye
Sumedh W. Sathaye

(8) Signed at Yorktown, NY on 12 / 11, 2000.

John-David Wellman
John-David Wellman

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ASSIGNMENT

Whereas, we,

- (1) Erik R. Altman,
County of Fairfield
of Danbury,
and state of Connecticut
- (2) Peter G. Capek,
County of _____
of _____,
and state of _____
- (3) Michael Gschwind,
County of _____
of _____,
and state of _____
- (4) Harm P. Hofstee,
County of Travis
of Austin,
and state of Texas,
- (5) James A. Kahle,
County of Travis
of Austin,
and state of Texas,
- (6) Ravi Nair,
County of Westchester
of Briarcliff Manor,
and state of New York,
- (7) Sumedh W. Sathaye,
County of _____
of Mohegan Lake,
and state of New York,
- (8) John-David Wellman,
County of Westchester
of Peekskill,
and state of New York,

have invented certain improvements in

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and executed a United States patent application therefor on (*date Inventor signed Declaration*)

- (1) December 8, 2000, (2) _____
(3) _____, (4) _____
(5) _____, (6) _____
(7) _____, (8) _____

AUS920000796US1

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(1) Signed at Yorktown Heights on 12/8, 2000.

Erik R. Altman
Erik R. Altman

(2) Signed at _____ on _____, 2000.

Peter G. Capek
Peter G. Capek

(3) Signed at _____ on _____, 2000.

Michael Gschwind
Michael Gschwind

AUS920000796US1

(4) Signed at Austin on , 2000.

Harm P. Hofstee

(5) Signed at Austin on , 2000.

James A. Kahle

(6) Signed at _____ on , 2000.

Ravi Nair

(7) Signed at _____ on , 2000.

Sumedh W. Sathaye

(8) Signed at _____ on , 2000.

John-David Wellman